

DAHLIA PLANT NAMED 'MELODY LISA'

LATIN NAME OF GENUS AND SPECIES OF PLANT CLAIMED

Dahlia hybrida

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VARIETY DENOMINATION

'Melody Lisa'

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BACKGROUND OF THE INVENTION

The present invention comprises a new and distinct *Dahlia* plant, botanically known as *Dahlia hybrida* and hereinafter referred to by the cultivar name 'Melody Lisa'.

5 The new cultivar originated as the product of the open pollination of the proprietary breeding selection designated 'VD-0-9' during 1997 at Lisse, The Netherlands. The new *Dahlia* was discovered and selected as a single flowering plant within the progeny of the above stated open pollination during the summer of 1998 at Lisse, The Netherlands.

10 Asexual reproduction of the new cultivar by terminal stem cuttings taken since 1998 at Lisse, Netherlands and West Chicago, Illinois has demonstrated that the new cultivar reproduces true to type, with all characteristics as herein described, firmly fixed and retained through successive generations of such asexual propagation.

SUMMARY OF THE INVENTION

15 It was repeatedly found that the cultivar of the present invention:

1. Forms double pink-bicolor ray florets and yellow disk florets, and
2. Exhibits a vigorous, upright, and mounded growth habit.

20 'Melody Lisa' has not been observed under all possible environmental conditions to date. Accordingly, it is possible that the phenotype may vary somewhat with variations in the environment such as temperature, light intensity, and day length without, however, any variance in genotype.

Plants of the new cultivar differ from plants of the female parent primarily in plant height and ray floret color.

Of the many Dahlia cultivars known to the inventor, the most similar to 'Melody Lisa' is 'Melody Dixie' (U. S. Plant Patent No.12, 911). However, in side by side comparisons, 'Melody Lisa' differs from 'Melody Dixie' in the following characteristics:

1. Plants of 'Melody Lisa' exhibit darker foliage color than do plants of 'Melody Dixie', and
2. The flowers of 'Melody Lisa' are pink-bicolor whereas those of 'Melody Dixie' are solid pink.

BRIEF DESCRIPTION OF PHOTOGRAPH

The accompanying photographs show as nearly true as it is reasonably possible to make the same in color illustrations of this type, typical flower and foliage characteristics of the new cultivar. The plants were grown for 16 weeks in a greenhouse at West Chicago, Illinois.

Figure 1 illustrates a side view of the overall growth and flowering habit of 'Melody Lisa'.

Figure 2 illustrates a close-up view of a single flower 'Melody Lisa' just opening.

Figure 3 illustrates a single fully open flower of 'Melody Lisa'.

DETAILED BOTANICAL DESCRIPTION

The chart used in the identification of colors described herein is the R.H.S Colour Chart of The Royal Horticultural Society, London, England, 1995 edition, except where color terms of ordinary significance are used. The color values were determined on May 21, 2003 in West Chicago, Illinois. The readings were taken between 10:00 and 11:45 a.m. under natural light conditions. The plants were produced from cuttings

taken from stock plants and were grown in a double polycarbonate-covered greenhouse under conditions comparable to those used in commercial practice. The plants were grown in 15 cm pots for 16 weeks while utilizing a soilless growth medium. Greenhouse temperatures were maintained at approximately 65° - 70 ° F (18° - 21° C) during the day and approximately 60° - 65° F (15° - 18° C) during the night. Greenhouse light levels were maintained at approximately 4,000 - 7,000 footcandles during the day. Plants were pinched three weeks after planting of rooted cuttings. The following measurements and descriptions were taken at 16 weeks after planting of rooted cuttings.

Botanical classification: *Dahlia hybrida* cultivar 'Melody Lisa'.

Parentage:

Open pollination of the proprietary Dahlia breeding selection designated 'VD-0-9'.

Propagation:

Type cutting - Terminal tip.

Time to initiate roots - Approximately 7 to 10 days.

Time to develop roots - Approximately 21 to 28 days.

Rooting habit – Freely branching.

Root description – Fine, fibrous.

Tubers - Will form under short day conditions of at least 13 to 14 hours of darkness.

Plant Description:

General appearance and habit – Upright, mounded and vigorous.

Crop time – Approximately 65 – 70 days to first flower.

Size - Height from top of soil to top of plant plane: Approximately 49.3 cm. Width:
Approximately 44.2 cm.

Branching habit – Basal branching, pinching enhances branching.

Branch description – Strength: Strong. Quantity per plant: Approximately 4. Length:
5 Approximately 30.8 cm. Diameter: Approximately 7.7 mm. Color: 143B with
overlay of 183A. Texture: Glabrous. Length of 4th internode: Approximately
6.1 cm.

Foliage - Form: Both simple and compound. Quantity of leaves per lateral branch:
Approximately 18. Quantity of leaflets per leaf: 3 or 5. Leaf/leaflet: Shape:
10 Ovate. Margin: Serrate. Apex: Acuminate. Base: Attenuate. Arrangement:
Opposite. Venation pattern: Pinnate. Texture: Upper surface: Hispidulous,
slightly rugose. Size of simple leaves: Length: Approximately 8 cm. Width:
Approximately: 3 cm. Petiole length: Approximately 4 cm. Diameter:
Approximately 3 mm. Size of mature trifoliate leaves: Length: Approximately
15 12.4 cm. Width: Approximately 11.2 cm. Petiole of compound leaf: Length:
5.2 cm. Diameter: 4 mm. Color: 144A with overlay of 184A. Size of
terminal leaflets: Length: Approximately 8.4 cm. Width: Approximately 4.4
cm. Size of lateral leaflets: Length: Approximately 6.4 cm. Width:
Approximately 2.9 cm. Color of young foliage: Upper surface: 137A with
20 venation of 146C. Lower surface: 191A with venation of 146B. Color of
mature foliage: Upper surface: Darker than 147A with veins of 147B. Lower
surface: Closest to 191A with veins of 146B.

Inflorescence Description:

Outdoor flowering habit – ‘Melody Lisa’ is freely flowering under outdoor growing conditions with substantially continuous blooming from spring through fall.

Appearance - Fully double, arising from leaf axils on strong peduncles, positioned just over the foliage. Disc and ray florets arranged acropetally on a capitulum. Persistent.

Lastingness of bloom – Approximately 4 weeks from first open ray floret to senescence.

Flower bud - Rate of opening: Approximately 2 weeks from first color to full bloom.

Shape: Oblate. Bud just before color: Length: Approximately 1.8 cm. Width: Approximately 1.3 cm. Color: 151A. Bud at first color: Length: Approximately 2.1 cm. Diameter at first color: Approximately 1.7 cm. Color: N74A.

Shape/size - Hemispherical. Diameter: Approximately 11.7 cm. Depth: Approximately 7 cm. Disc diameter: Approximately 1.3 cm. Receptical diameter: Approximately 2 cm. Receptical height/depth: Approximately 5 mm.

Fragrance - None.

Ray florets – Quantity: Approximately 311 per inflorescence arranged in approximately 11 whorls. Shape: Elongated, cupped. Length: Approximately 5 cm. Width: Approximately 1.7 cm. Apex: Pointed to slightly rounded. Base: Fused to form tube. Margin: Entire. Texture: Glabrous. Color: Fully opened, upper surface: Mixture of longitudinal areas of alternating and blending of 73C and 67C with venation of 155D, margin of 67A and base of N155B. Fully opened, lower surface: 73C with venation of 155D, margin of 67A and base of N155B.

Disc florets – Disc florets develop after most of the ray florets have died. Quantity:

Approximately 30. Shape: Elongated, cylindrical. Texture: Glabrous. Color: Transparent, 9A at apex, 150D at base.

Peduncle - Strong, erect. Length: Approximately 12 cm. Diameter: Approximately 3 mm. Texture: Glabrous. Color: 144B.

Sepals - Quantity: Approximately 8. Shape: Lanceolate. Tip: Acute. Margin: Entire. Texture: Glabrous. Color of upper and lower surfaces: 146A with parallel venation of 150A.

Involucral bracts – Quantity: One per floret. Shape: Lanceolate. Margin: Entire.

Apex: Acute. Length: 1.3 cm. Width: 4 mm. Color: Transparent, 150C at apex, 150D at base.

Reproductive organs - Androecium - On disc florets. Stamen number: 4. Anther

length: Approximately 3.5 mm. Anther color: 9A. Pollen amount: Abundant.

Pollen color is 21A. Gynoecium – On disc and ray florets. Pistil length:

Approximately 1.3 cm. Stigma length: 4 mm. Stigma color: 9A. Style length: 6 mm. Style color: 150D. Ovary length: 2 mm. Ovary color: 145B.

Seed and fruit production: Neither seed nor fruit production has been observed.

Disease and pest resistance: Resistance to pathogens and pests common to *Dahlia* has not been observed.

Hardiness zone: 'Melody Lisa' is presumably hardy in zones nine (9) and above.